

IN THE SPECIFICATION:

Please insert the following new paragraph after the Title and before the "TECHNICAL FIELD":

-- RELATED APPLICATIONS

This application is the U.S. National Phase under 35 U.S.C. § 371 of International Application No. PCT/JP2005/005003, filed on March 18, 2005, which in turn claims the benefit of Japanese Application No. 2004-079873, filed on March 19, 2004, the disclosures of which Applications are incorporated by reference herein.—

Please amend the paragraph beginning on page 9 at line 26 and bridging page 10 as follows:

[0031] FIGS. 2(a) and 2(b) show an exemplary structure of the substrate 10 made of GaN. FIG. 2(a) shows the plan structure thereof, and FIG. 2(b) shows a cross-sectional structure thereof taken along the line VIIIa—VIIIa I Ib - I Ib in FIG. 2(a). As shown in FIG. 2, the top surface of the substrate 10, which is an element formation surface, is inclined relative to the (0001) plane 10a of the plane direction of the GaN crystal, and the angle of inclination (off-angle) is about one degree at a maximum. The direction of inclination is the <11-20> direction, the <10-10> direction, or a direction between the <11-20> direction and the <10-10> direction of the crystal. Note that the (0001) plane of the plane direction means the c-plane in the hexagonal system.

Please amend the paragraph beginning on page 14 at line 2 as follows:

[0044] For the n-type cladding layer 13, use can be made of a compound whose general formula is represented by $\text{Al}_g\text{Ga}_{1-g}\text{N}$ ($0 \leq g < 1$). By employing the n-type cladding layer 13 made of group III-V nitride semiconductor with a wider band gap than the In-containing n-type semiconductor layer 12, hole overflow from the light-emitting layer 14 can be effectively prevented. Although the n-type cladding layer 13 is preferably doped with an n-type impurity, it may be doped with no n-type impurity. If it is doped with an n-type impurity, it is recommended that the carrier concentration of the cladding layer 13 is lower than those of the n-type contact layer 11 and the In-containing n-type semiconductor layer 12. By employing such a structure, the n-type

cladding layer 13 has a higher resistance than the n-type contact layer 11, so that the n-type cladding layer 13 blocks electron flow from the n-type contact layer 11 through the n-type cladding layer 13 toward the light-emitting layer 14. Thus, electrons spread uniformly at the interface between the In-containing n-type semiconductor layer 12 and ~~within~~ the n-type cladding layer 13. Therefore, uniform electron injection into the light-emitting layer 14 can be realized to uniformize spatial distribution of light emission from the light-emitting layer 14. As a result of this, a uniform plane emission of light can be provided from the back surface of the substrate 10 serving as the main light-emitting plane.

Please amend the paragraph beginning on page 18 at line 19 as follows:

[0058] As shown in FIG. 3, for the conventional stacked film of group III-V nitride semiconductor not provided with the In-containing n-type semiconductor layer 12, the standard deviation of photoluminescence intensity was 32.9%, which indicates very wide variations. On the other hand, for the stacked film of the present invention made of group III-V nitride semiconductor and provided with the In-containing n-type semiconductor layer 12, the standard deviation was 4.1%, from which it is obvious that the light-emitting layer 14 is formed uniformly on the substrate.

Please amend the paragraph beginning on page 31 at line 7 as follows:

[0113] Further, a translucent electrode 18 is provided on the top surface of the p-type semiconductor layer 15, and emitted light is taken from the semiconductor layer formation surface thereof. Provision of the translucent electrode 18 can reduce the area of the p-side electrode 16, so that light absorption by the p-side electrode 16 can be avoided. Moreover, since the area of the translucent electrode 18 can be increased, a current can be passed uniformly through the light-emitting layer 14. This enhances the optical power output and reduces the operating voltage. It is sufficient that the translucent electrode 18 is formed of a known indium ~~titanium~~ tin oxide (ITO) film or the like.

Please amend the paragraph beginning on page 33 at line 24 and bridging page 34 as follows:

[0124] An illuminating device according to a fourth embodiment of the present invention will be described below with reference to the accompanying drawings. FIG. 13 shows a cross-sectional structure of a light-emitting unit **60** used for the illuminating device according to the fourth embodiment. Referring to FIG. 13, the submount **51** with the light-emitting device adhering thereto is allowed to adhere to the inside of a cup of a lead frame **62** in electrically connected relation with Ag paste or the like. The n-side substrate electrode of the submount ~~[[50]]~~ **51** is electrically connected to a lead frame **64** with a wire **63** interposed therebetween. The cup of the lead frame **62** is molded with resin **65**.